

FIG. 1

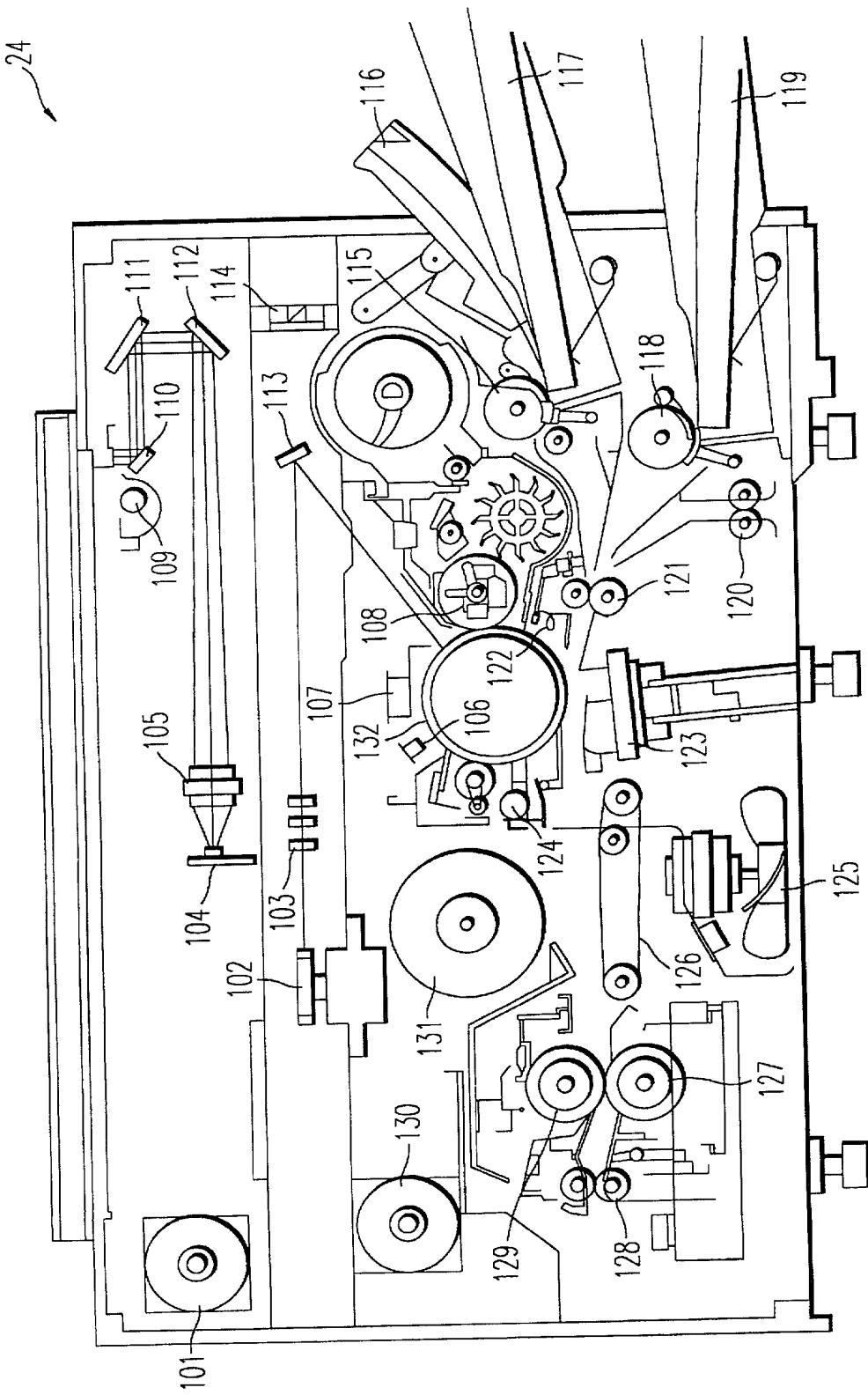


FIG. 2

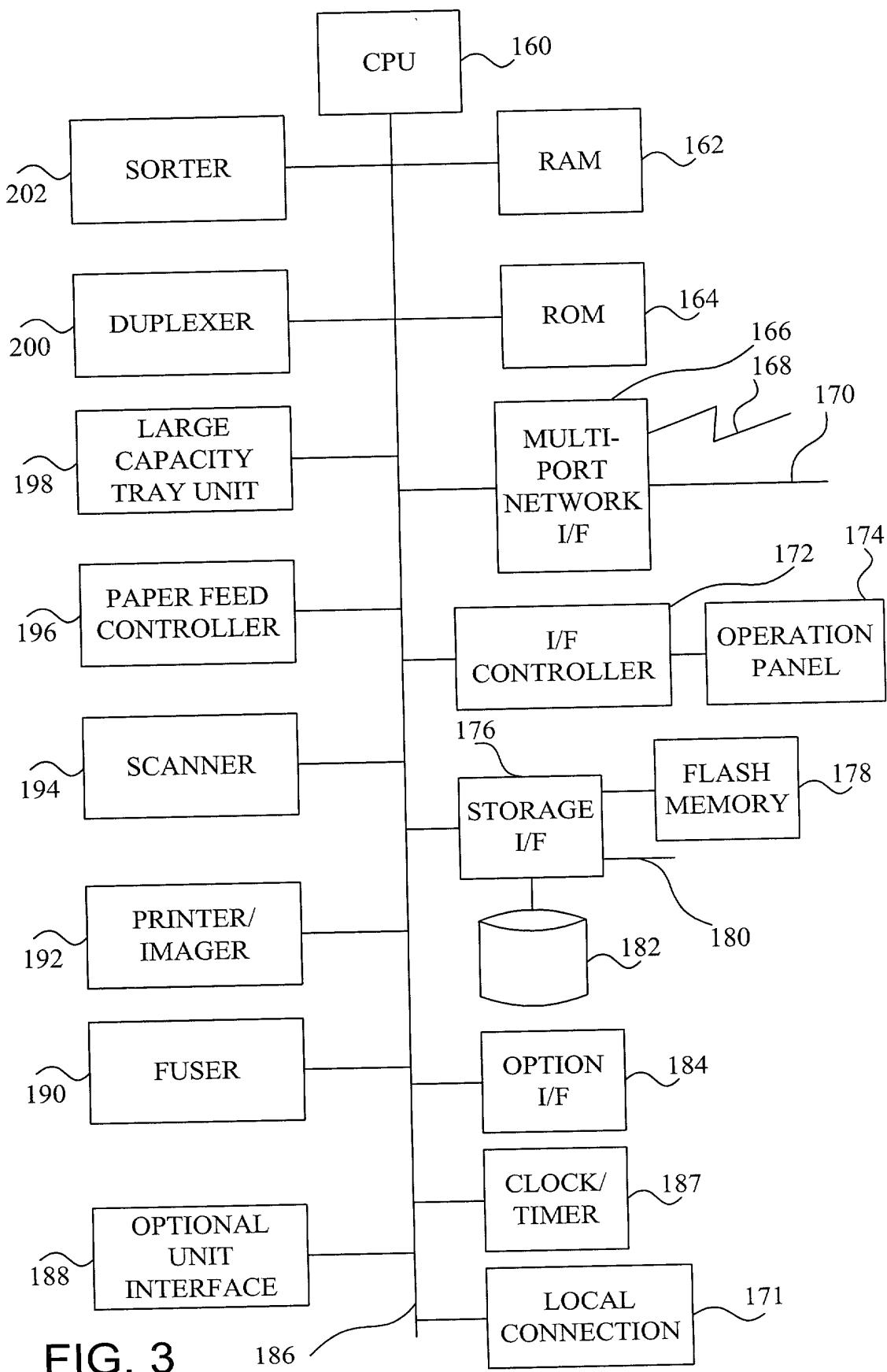


FIG. 3

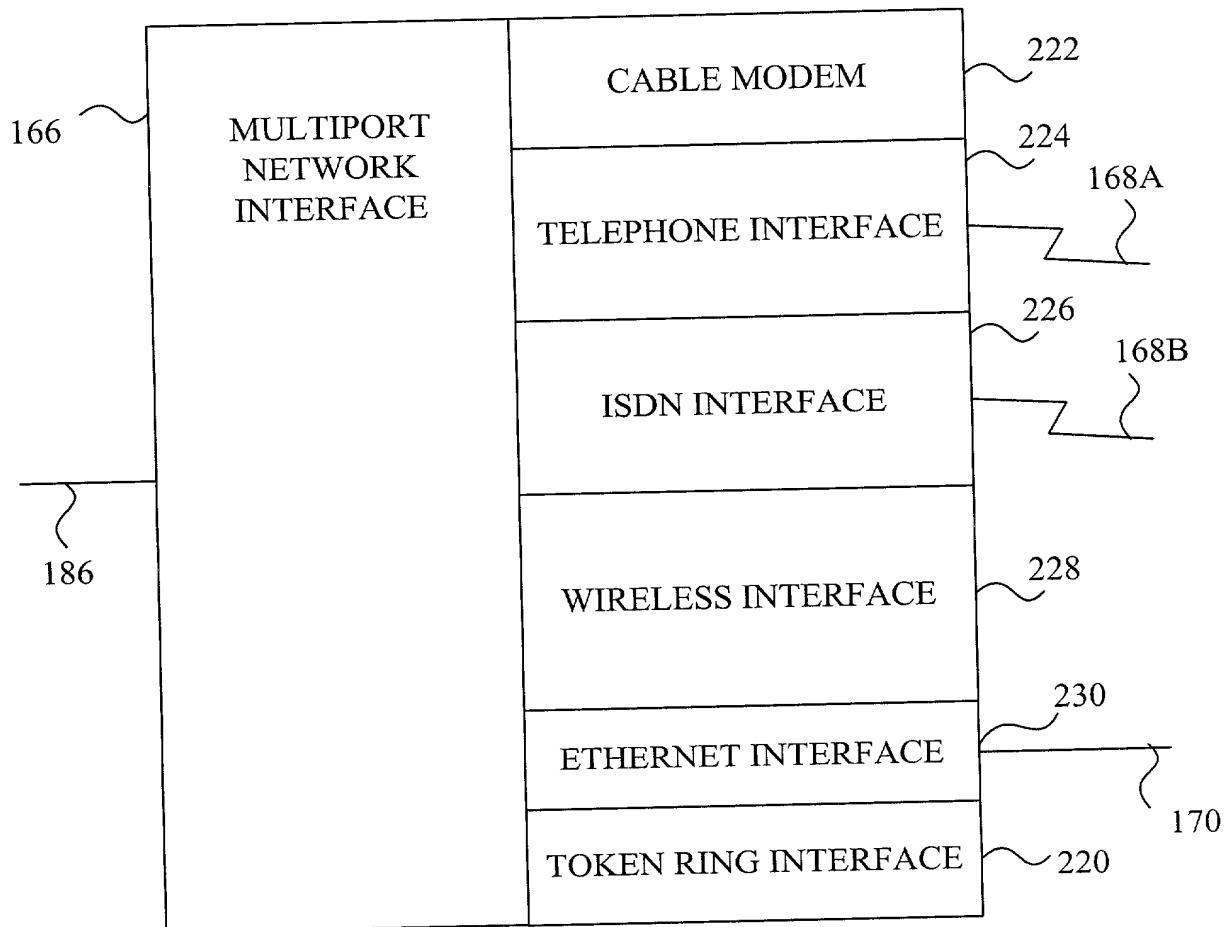


FIG. 4

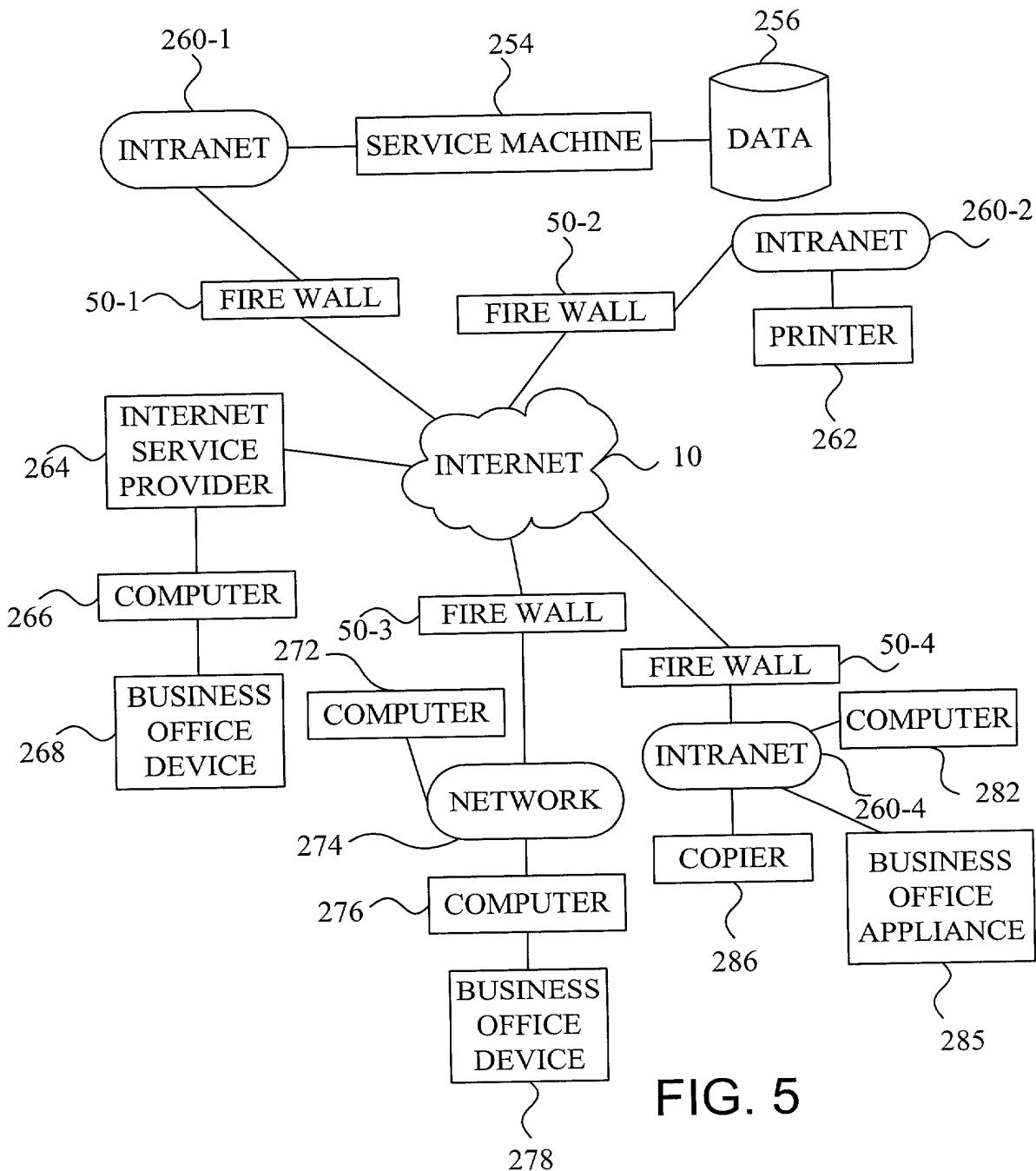


FIG. 5

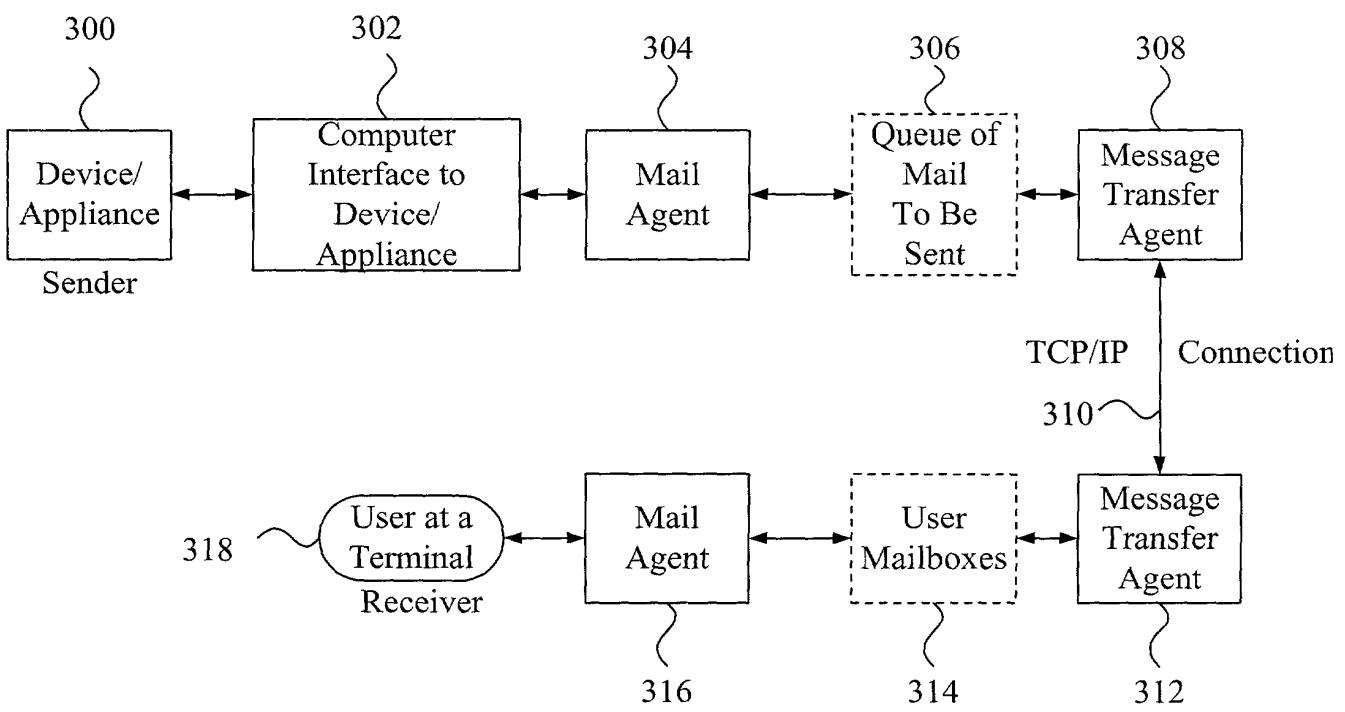


FIG. 6A

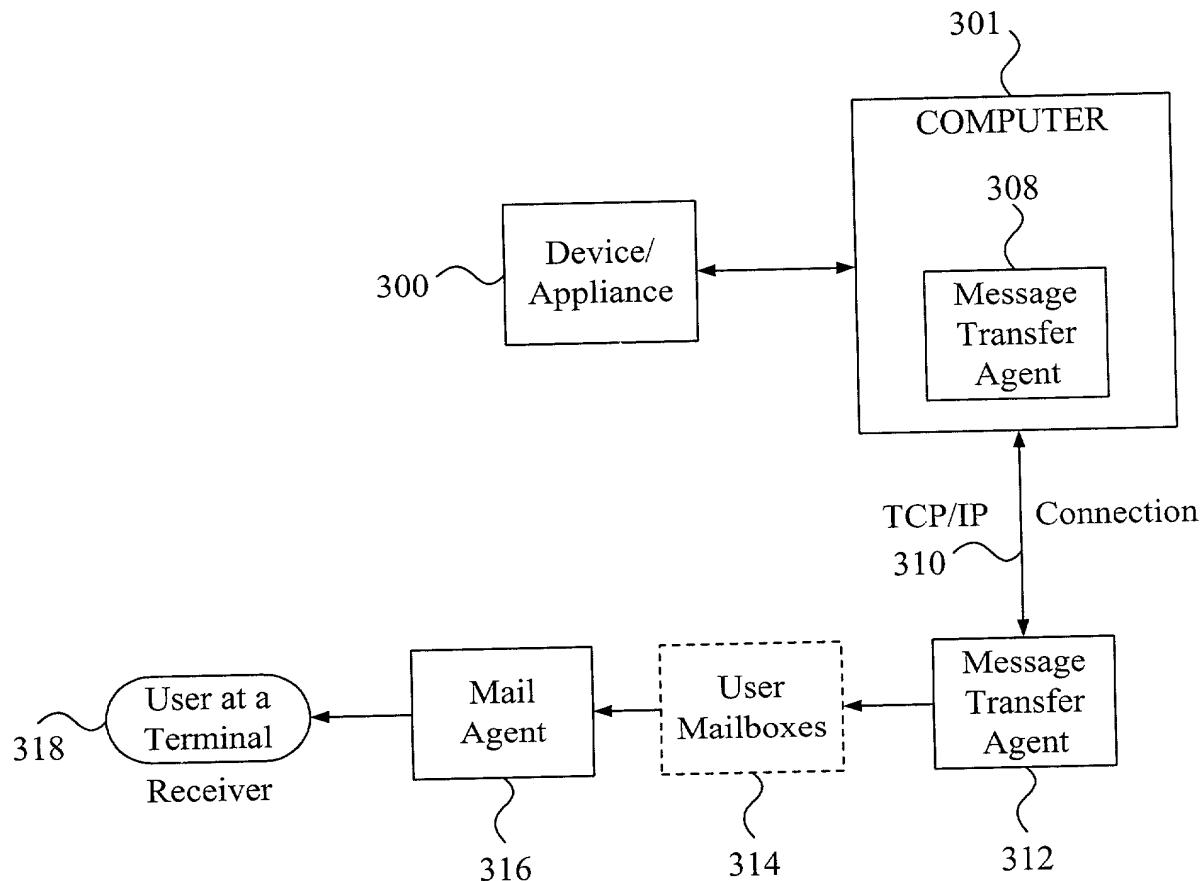


FIG. 6B

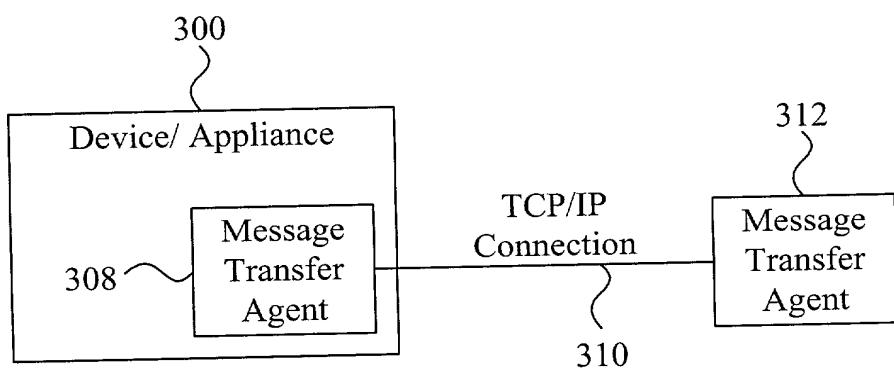


FIG. 6C

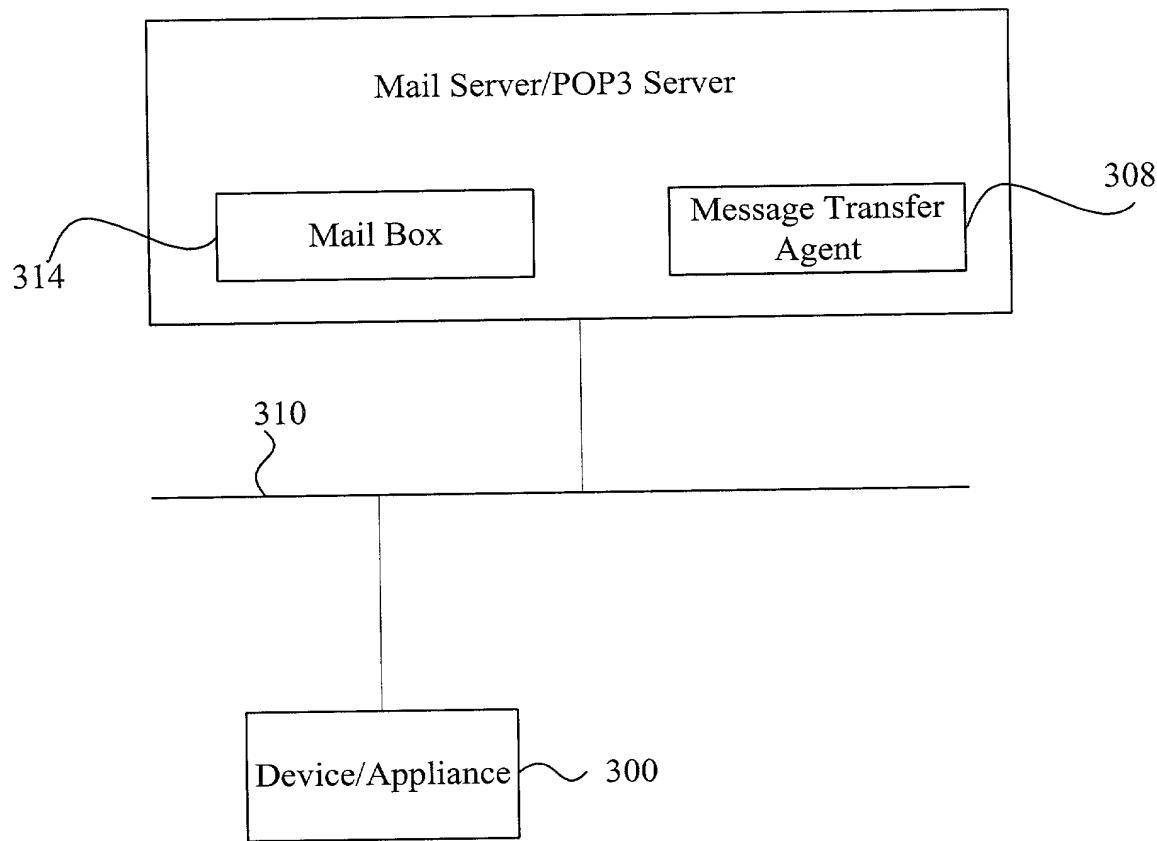


Fig. 6D

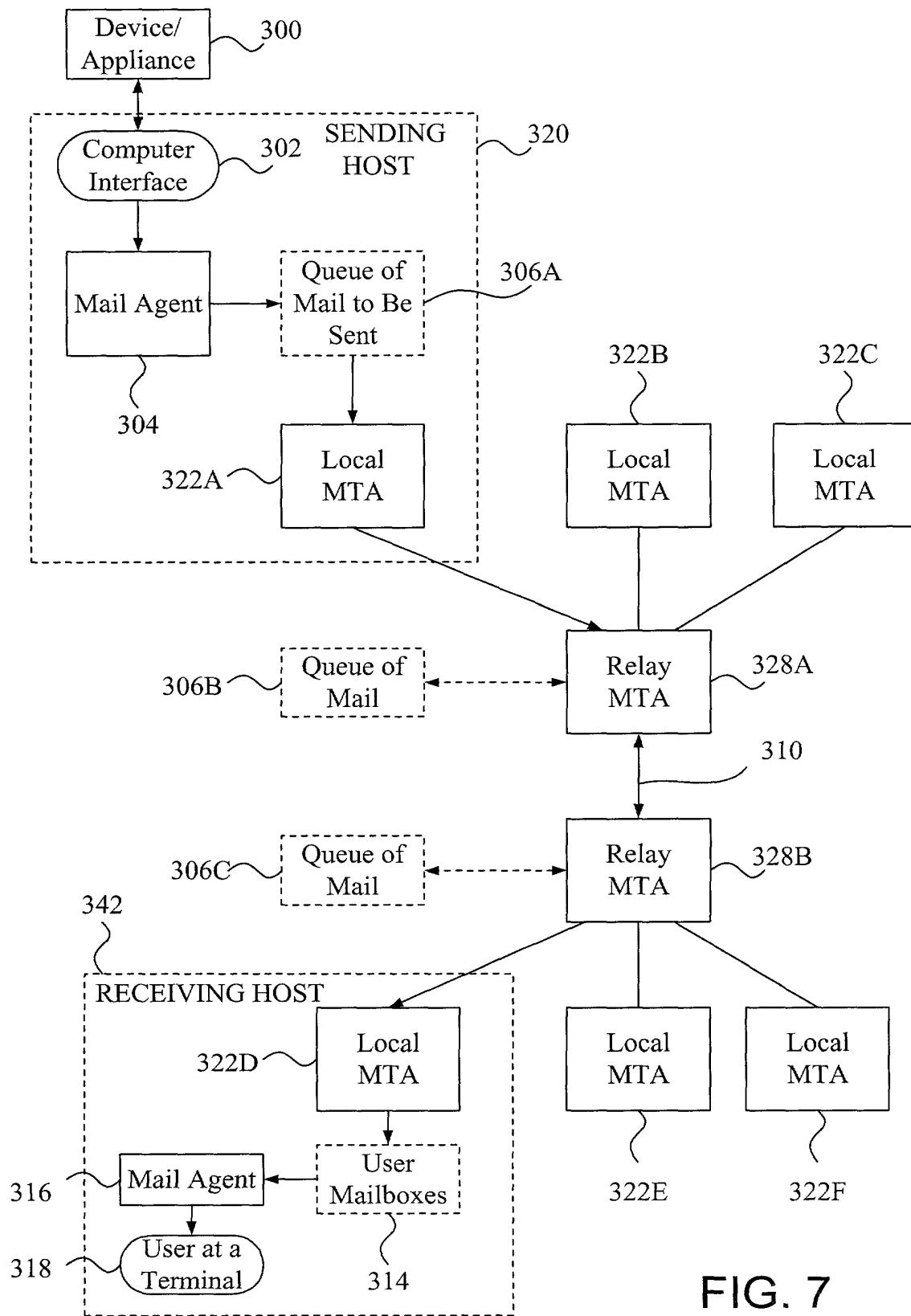


FIG. 7

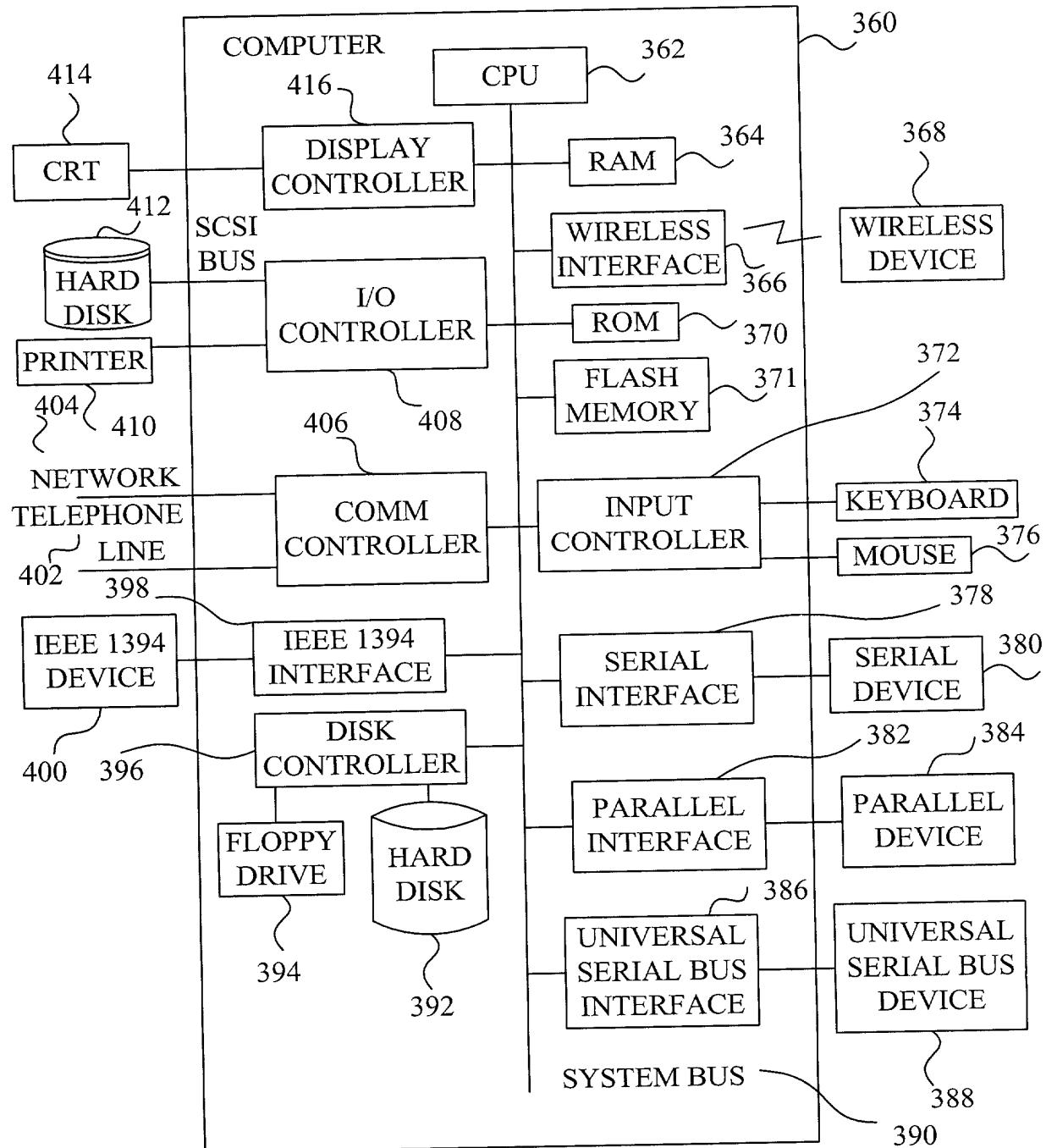


FIG. 8

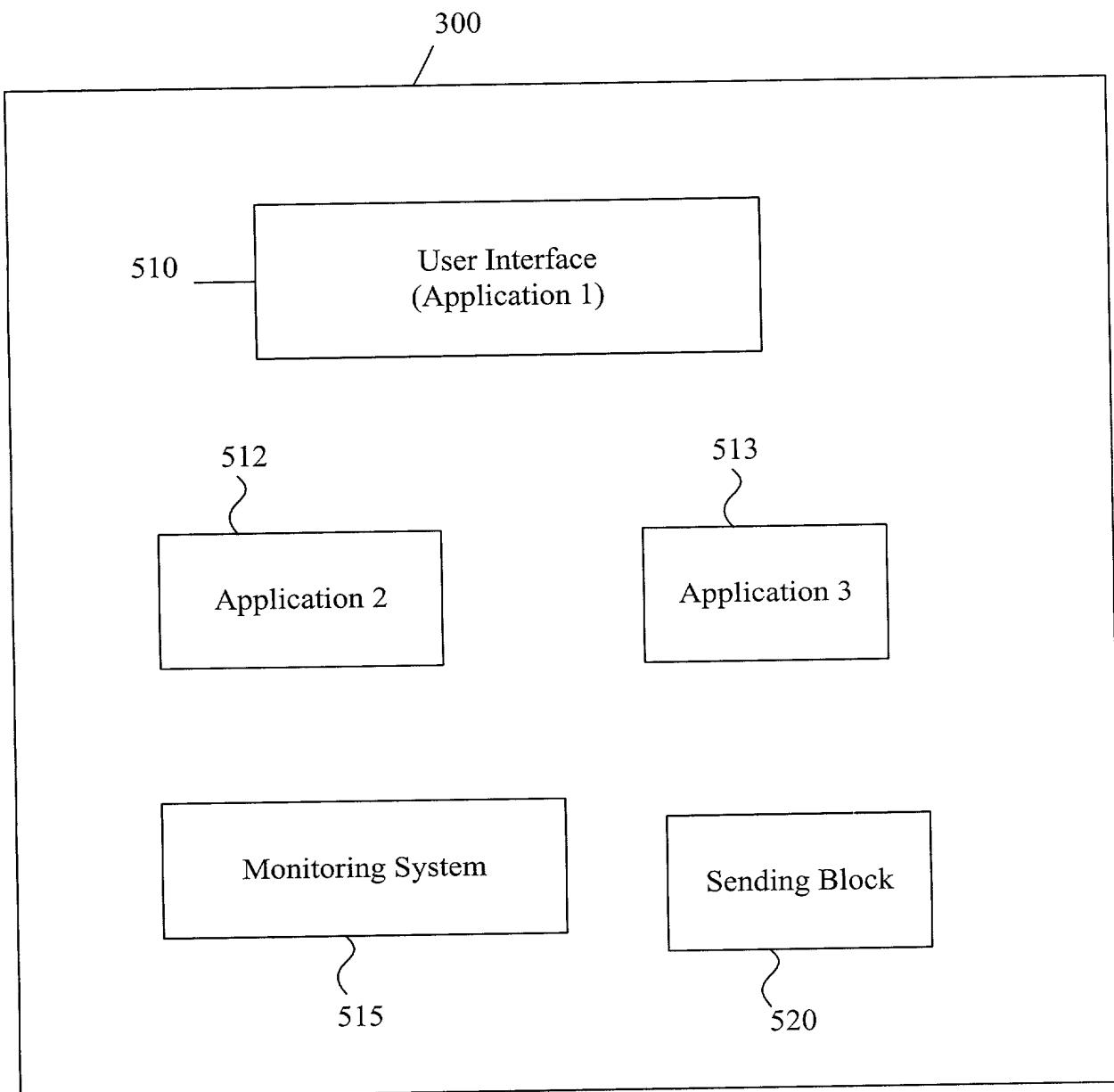
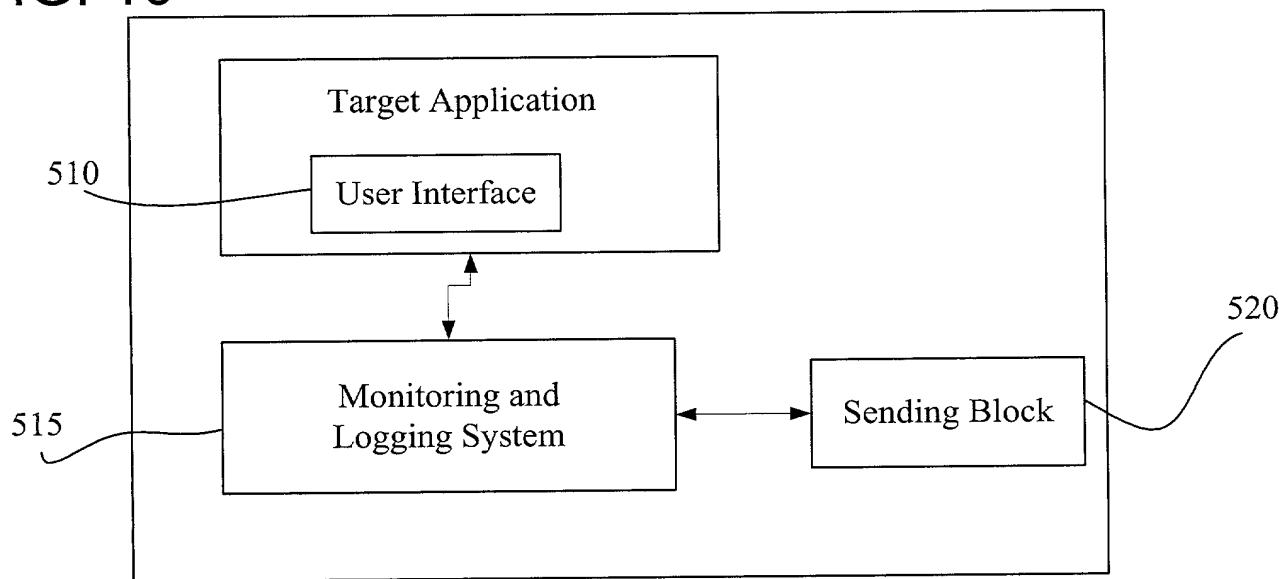


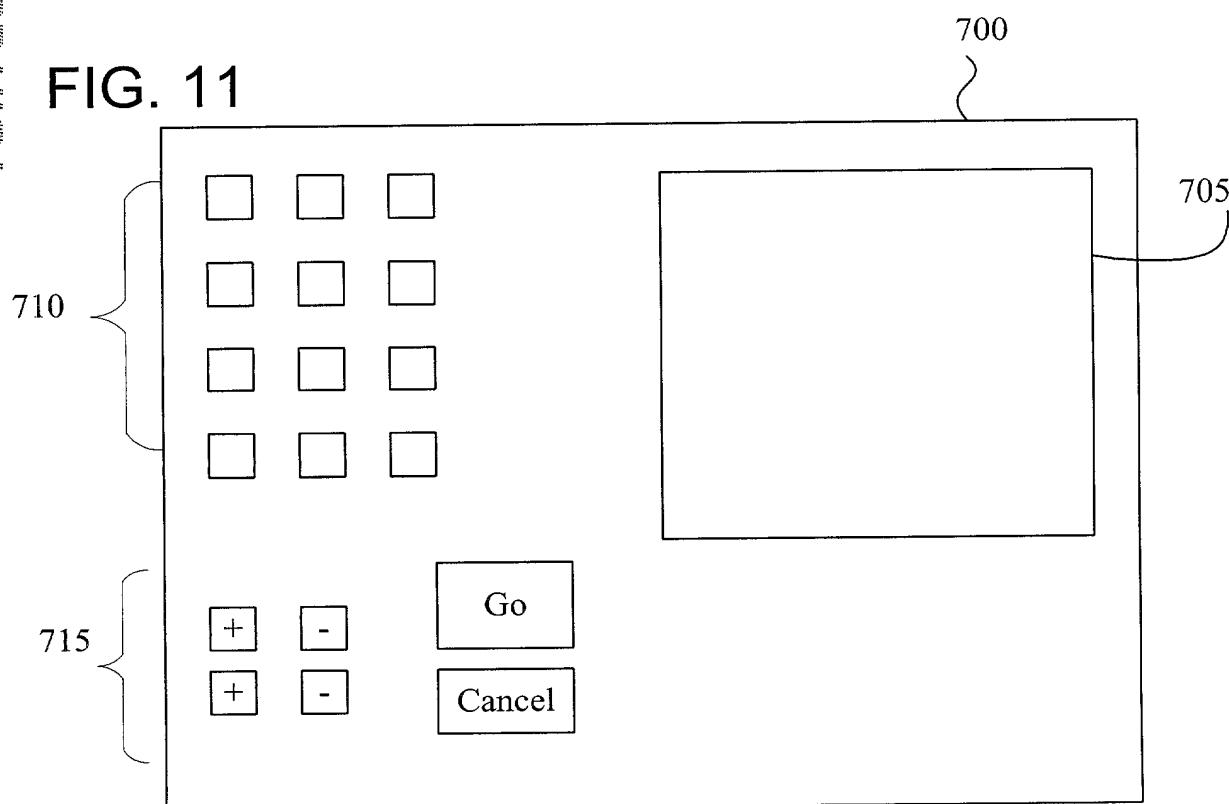
FIG. 9

FIG. 10



09376767.264447

FIG. 11



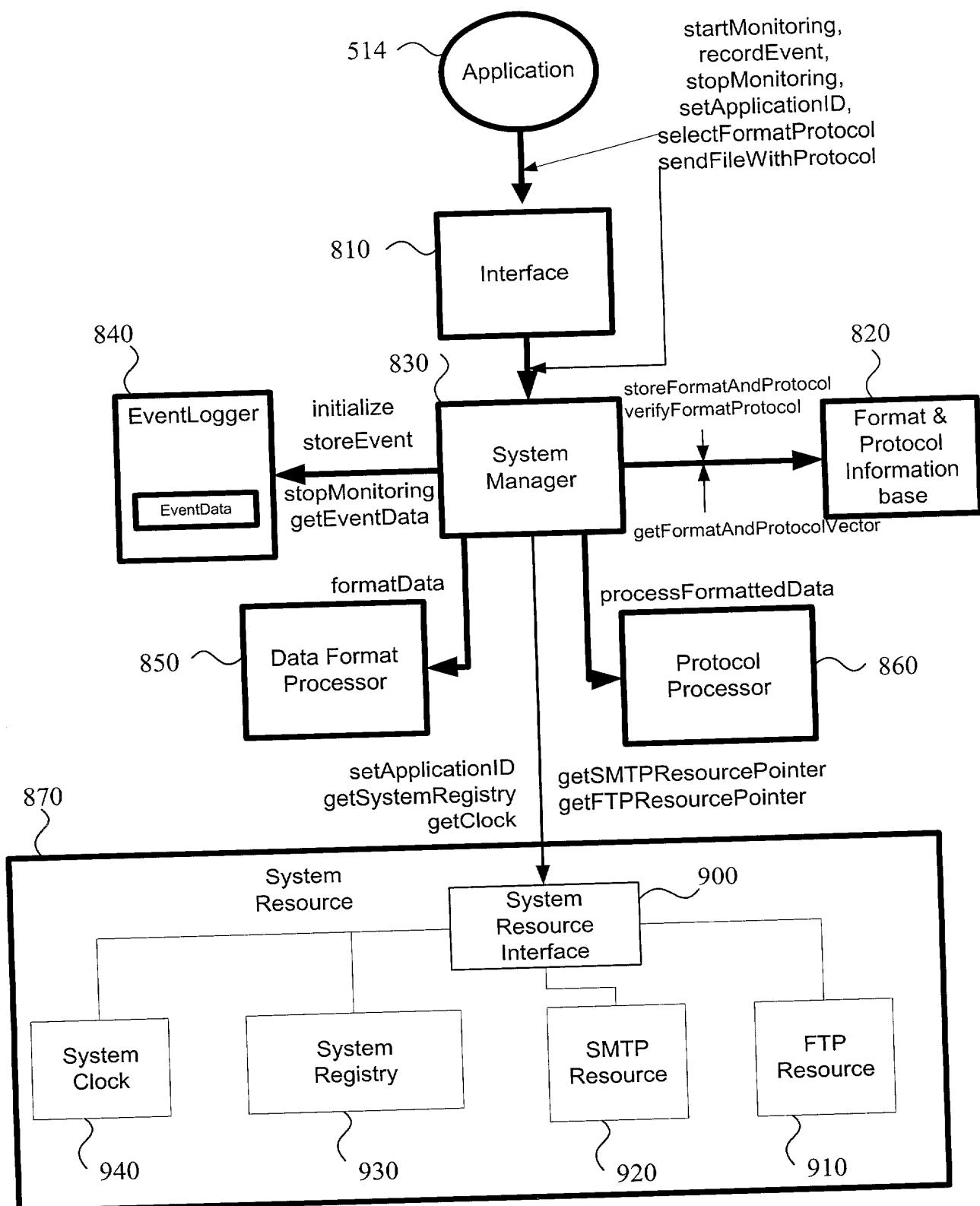


FIG. 12A

Return Value	Function Name	Description
bool	getNextSession	Returns false when there is no more session; true otherwise
string	getFileName	Returns file name for the EventData
map<string, string>	getSessionInformation	Returns the map. Keys are UserID, ApplicationID, CumulativeSessionNumber, StartTime, and Duration.
map<string, vector<string>>	getSessionEventData	Returns the map. Keys are EventName and EventTiming. The values of EventTiming vector are in the unit of 10th of a second converted from unsigned integer to string.

FIG. 12B

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Return Value	Function Name	Description
bool	getNextLine	Returns one line of string data as an out parameter string. The function returns true if there is a line; false if no more line exists with empty string.
string	getFileNameWithSuffix	Returns file name for the data with suffix if applicable
enum	getDataType	Returns the data type, BINARY or TEXT

FIG. 12C

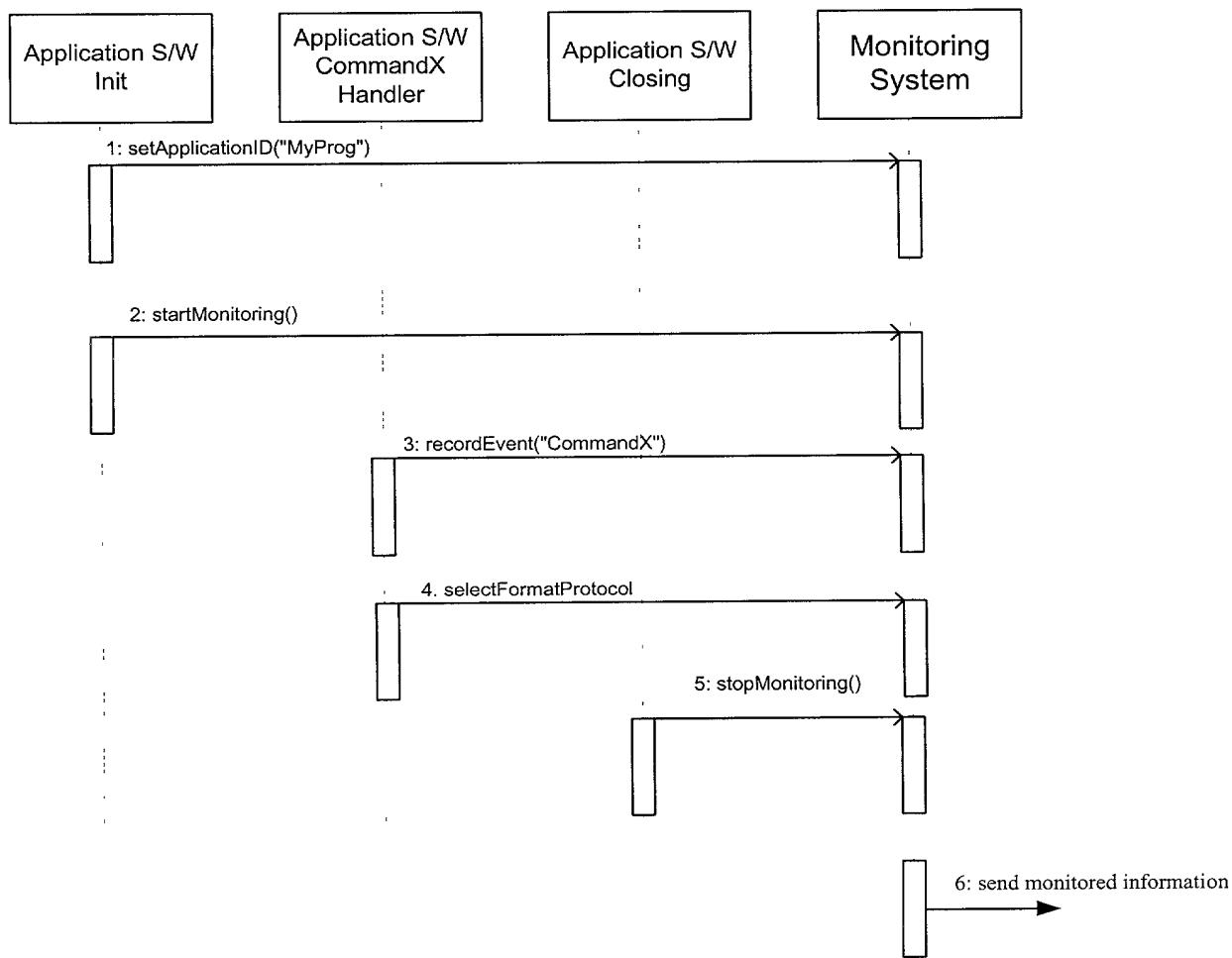


FIG. 13A

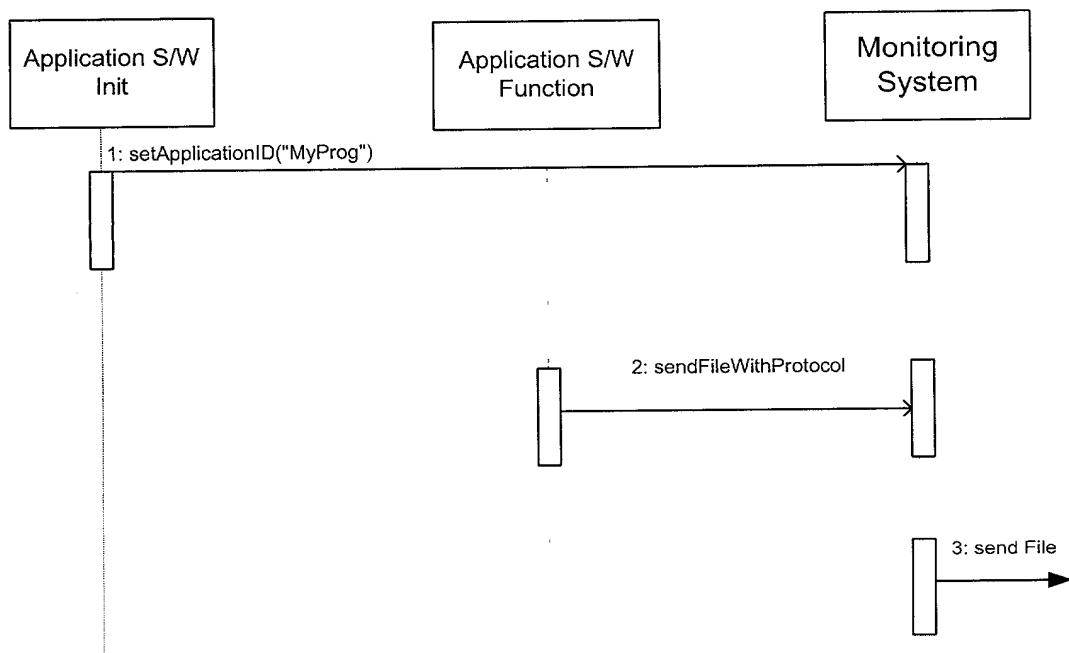


FIG. 13B

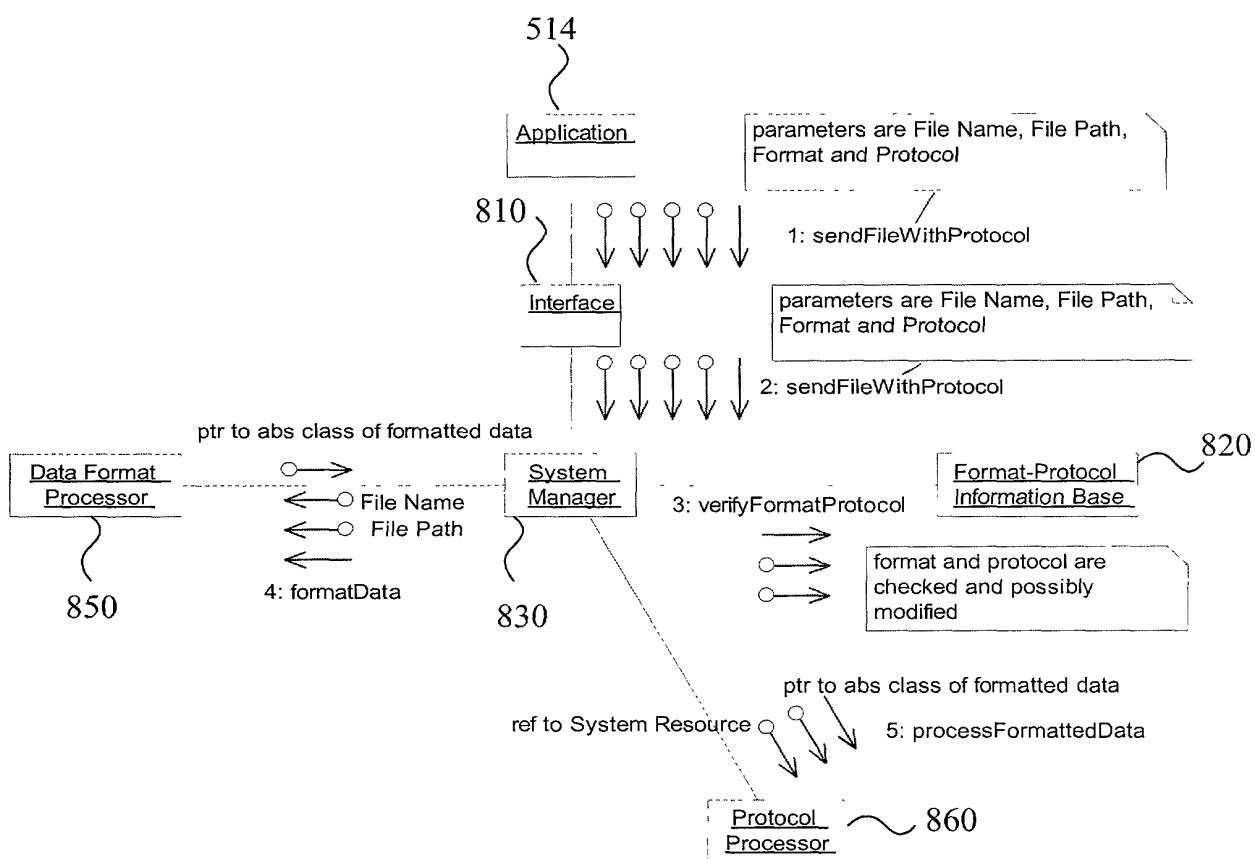


FIG. 14

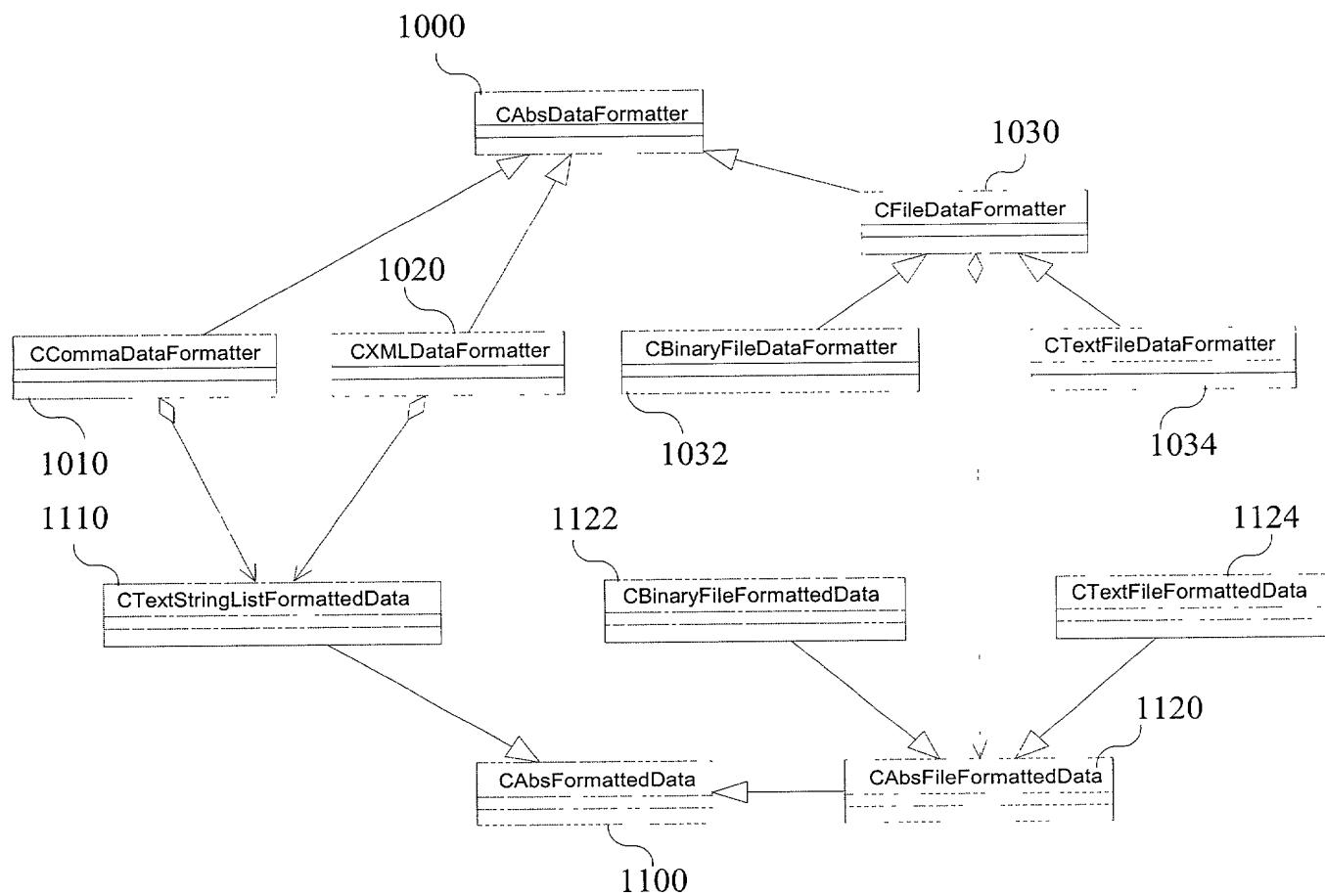
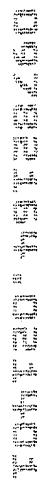


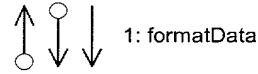
FIG. 15

0 9 7 6 5 4 3 2 1 0

830

System Manager

CAbsEventData Ptr



1: formatData

CAbsFormattedData Ptr

1000

CAbsDataFormatter

Pointer to
CTextStringListFormattedData

Either CCommaDataFormatter or
CXMLDataFormatter

FIG. 16

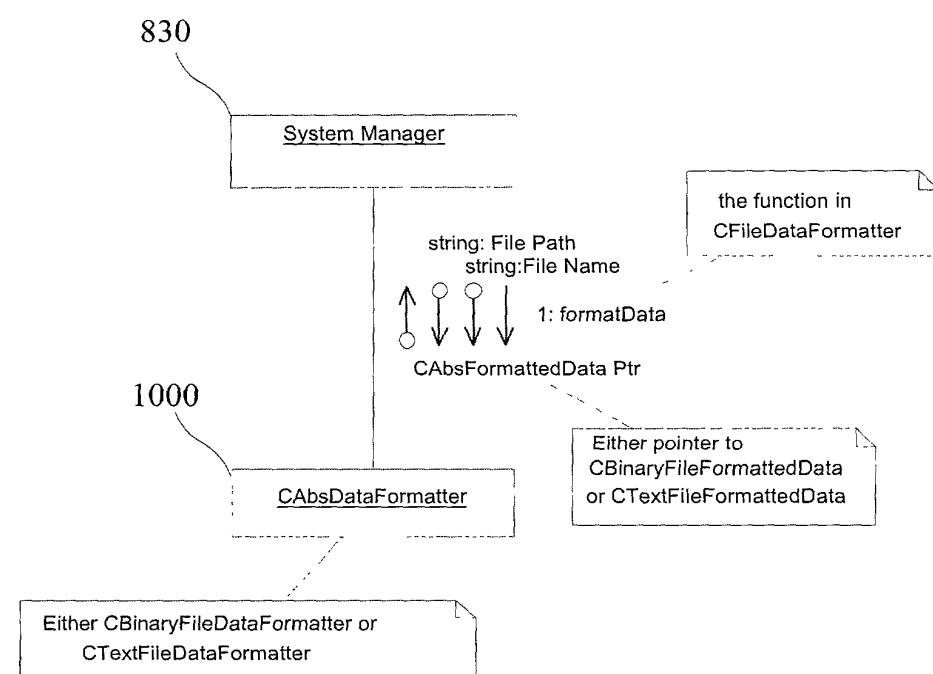


FIG. 17

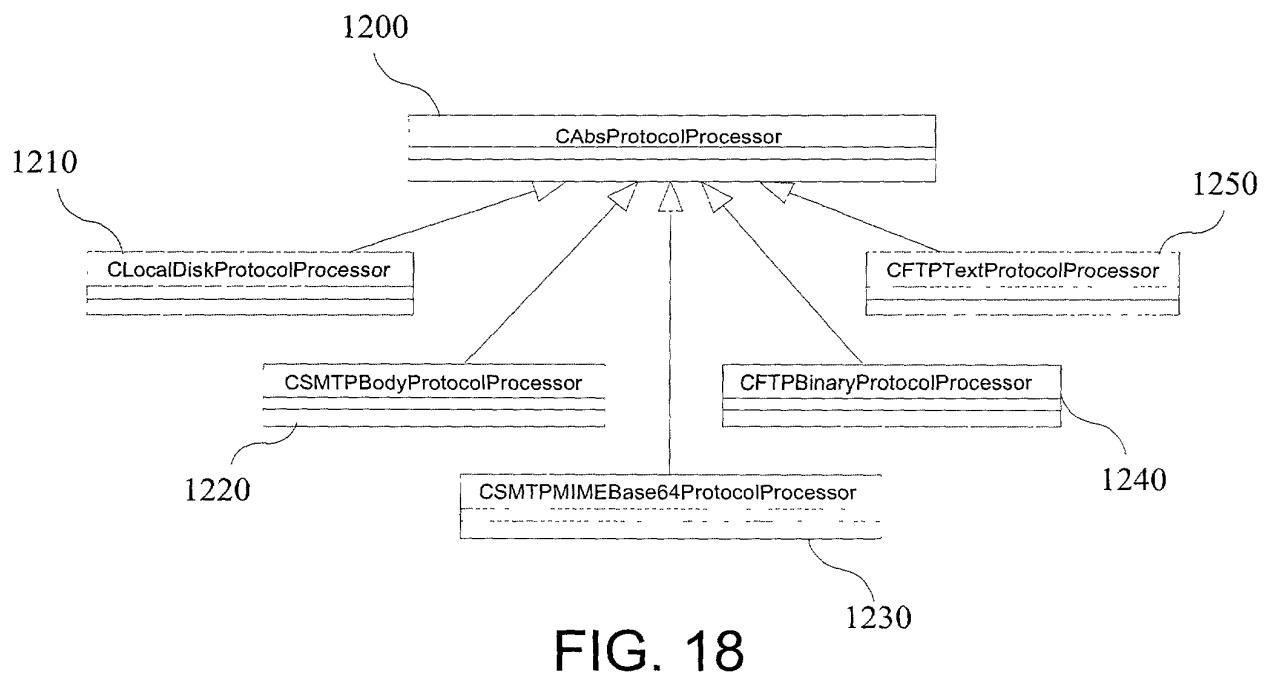


FIG. 18

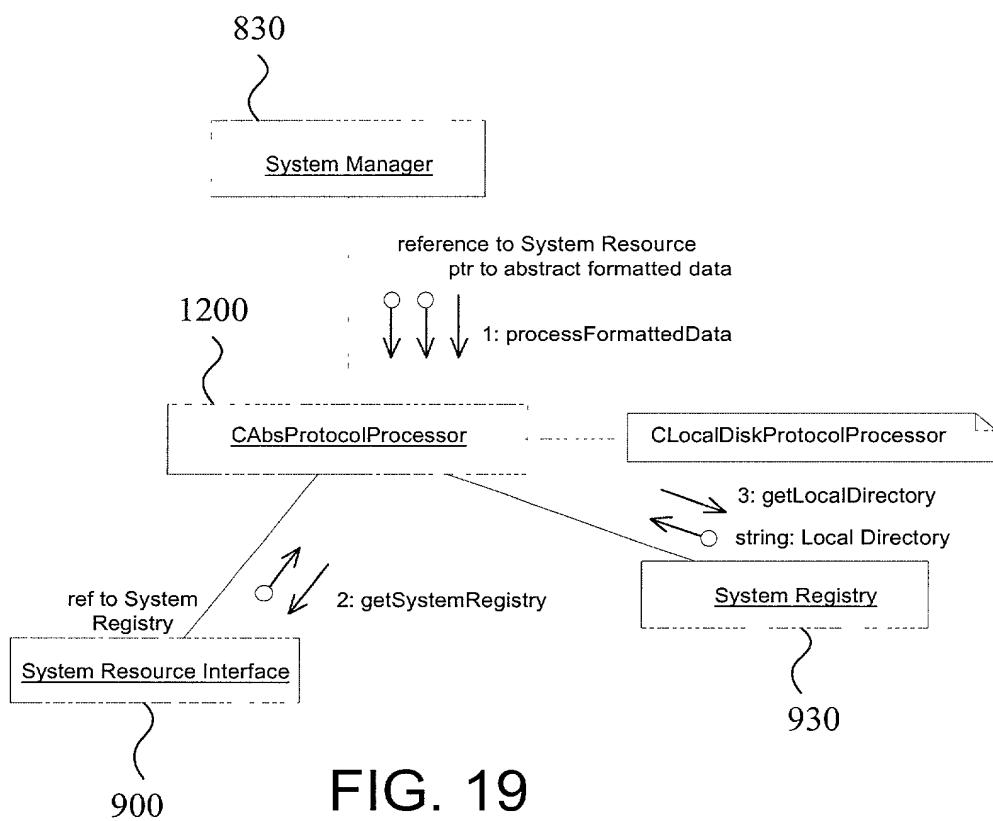


FIG. 19

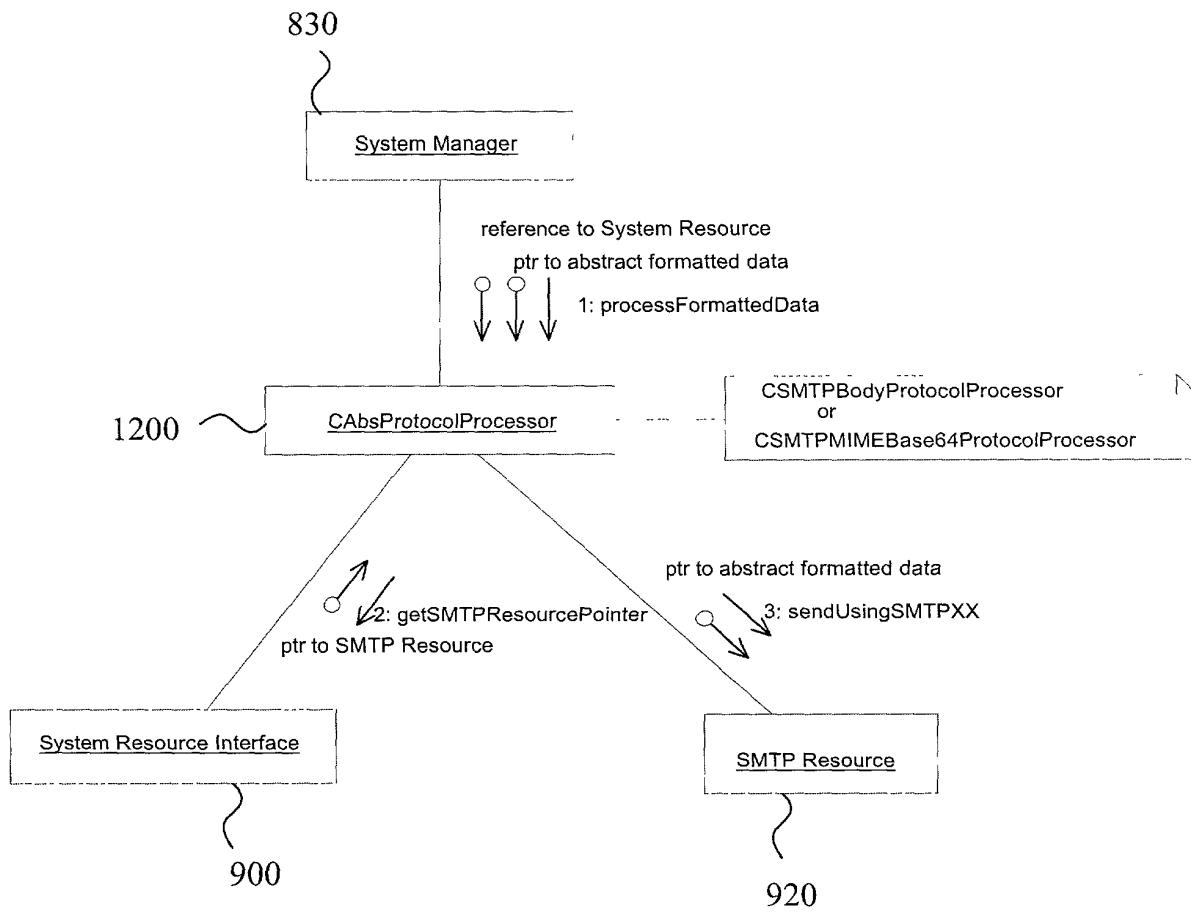


FIG. 20

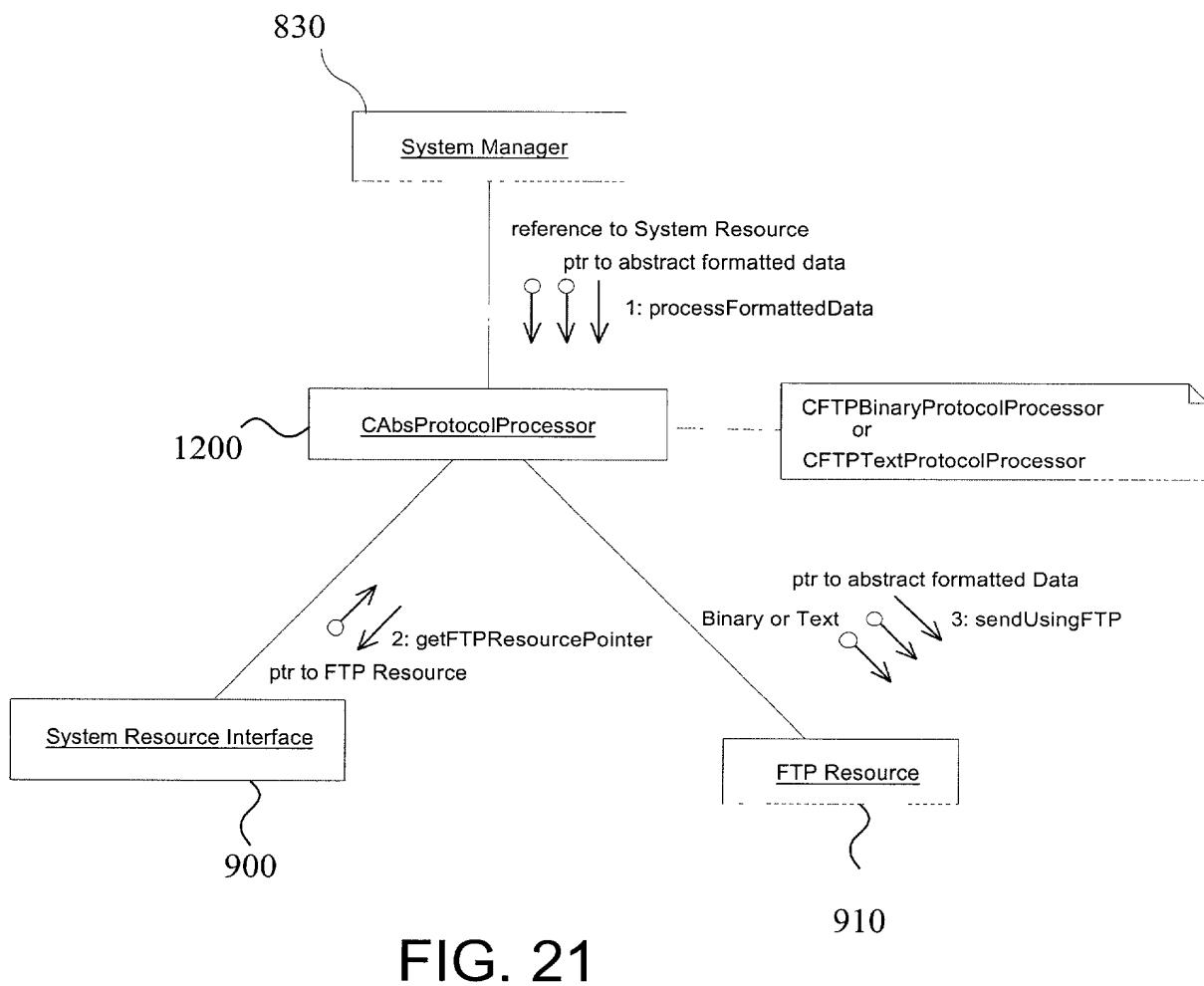


FIG. 21

0 9 8 7 6 5 4 3 2 1 0

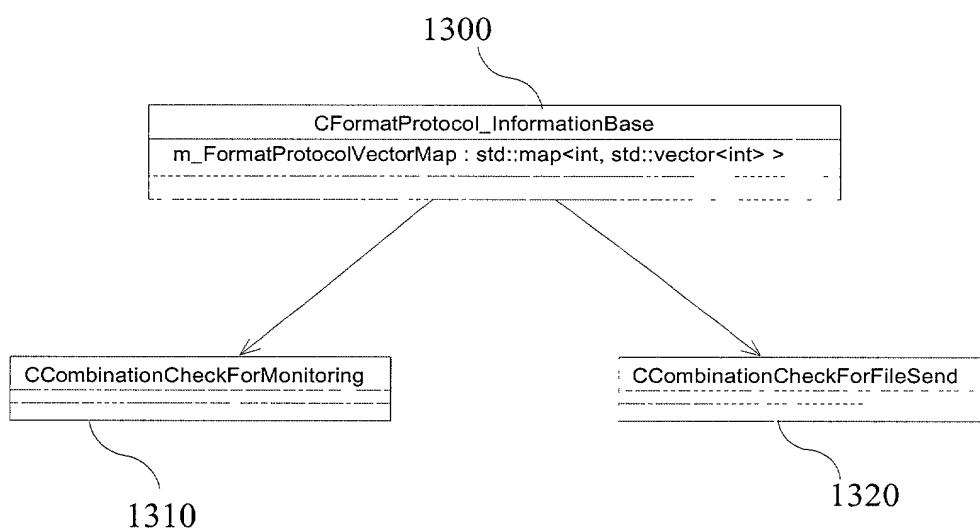


FIG. 22

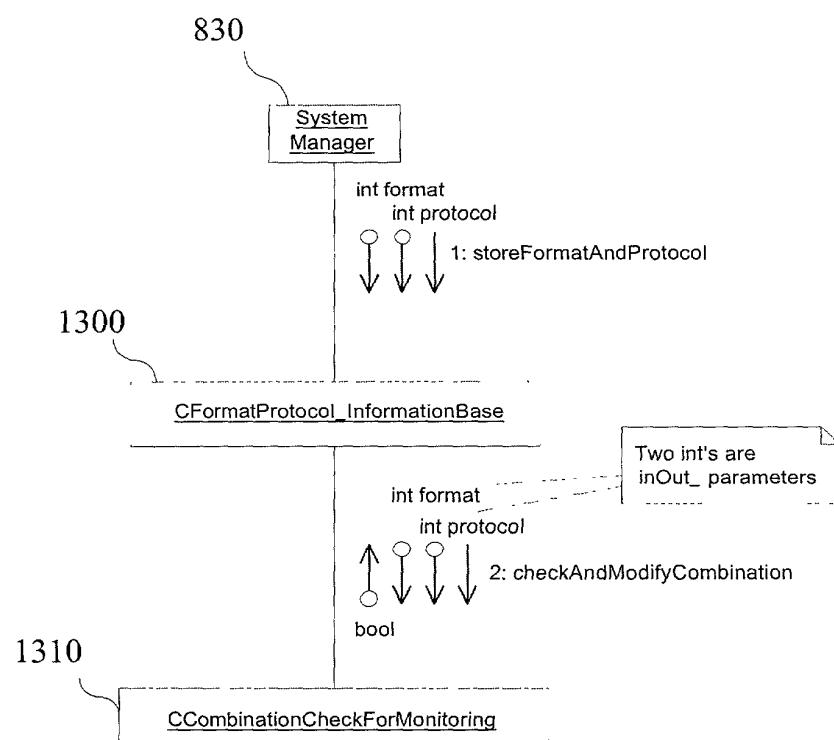


FIG. 23

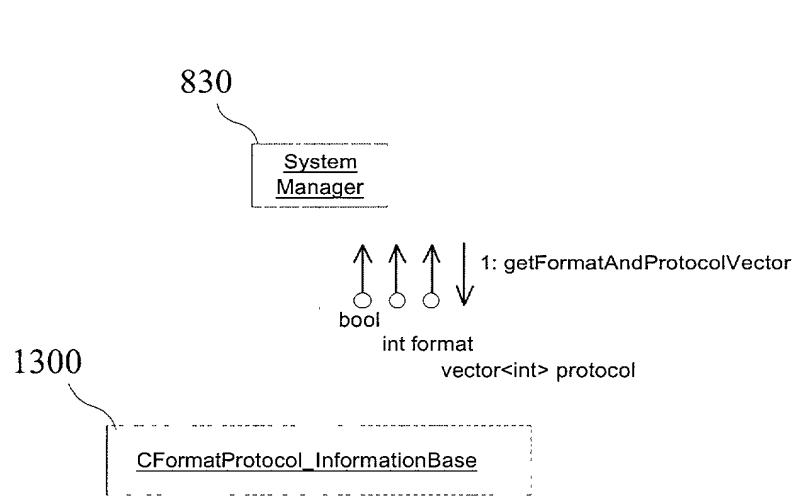


FIG. 24

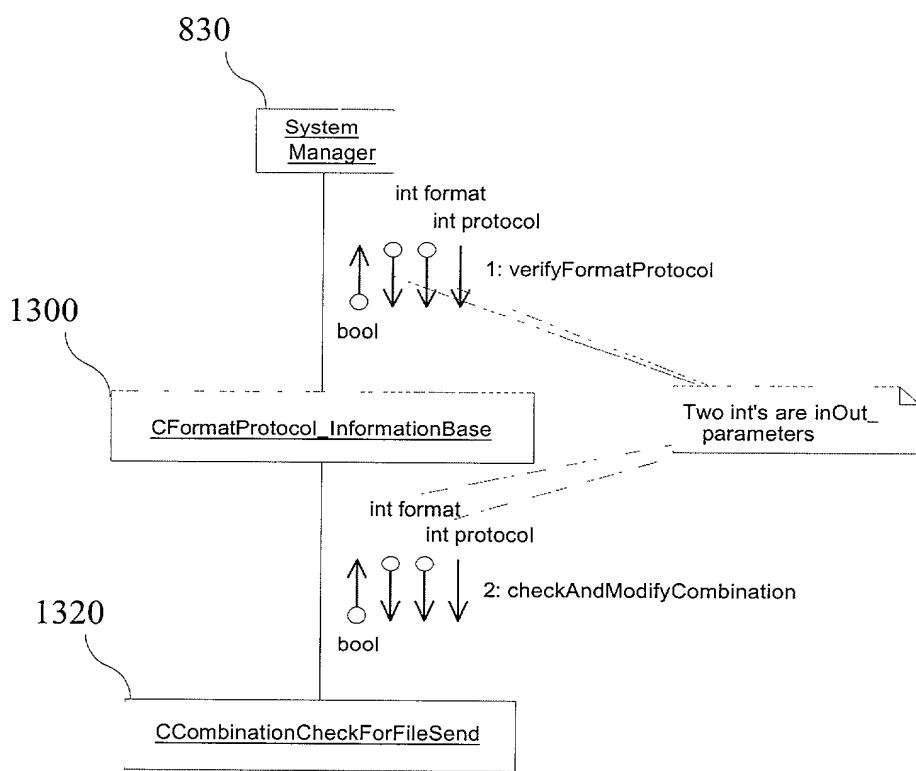


FIG. 25

Key	Value
10	{ 1 10 30 100 105 }
20	{ 1 10 30 100 105 }

FIG. 26A

1. Set return-bool to true
2. Use find function of the Map for inOut_nFormat
3. If returned iterator is end (Not found), set inOut_nFormat to the default value(10) and set return-bool to false
4. get the Set value for the key format
5. Use the find function of the Set for inOut_nProtocol
6. if returned iterator is end (Not found), set inOut_nProtocol to default (1) and set return-bool to false
7. return return-bool

FIG. 26B

Key	Value												
1	<table border="1"><thead><tr><th>Key</th><th>Value</th></tr></thead><tbody><tr><td>1</td><td>1</td></tr><tr><td>10</td><td>10</td></tr><tr><td>30</td><td>30</td></tr><tr><td>100</td><td>100</td></tr><tr><td>105</td><td>105</td></tr></tbody></table>	Key	Value	1	1	10	10	30	30	100	100	105	105
Key	Value												
1	1												
10	10												
30	30												
100	100												
105	105												
5	<table border="1"><thead><tr><th>Key</th><th>Value</th></tr></thead><tbody><tr><td>1</td><td>1</td></tr><tr><td>10</td><td>30</td></tr><tr><td>30</td><td>30</td></tr><tr><td>100</td><td>105</td></tr><tr><td>105</td><td>105</td></tr></tbody></table>	Key	Value	1	1	10	30	30	30	100	105	105	105
Key	Value												
1	1												
10	30												
30	30												
100	105												
105	105												

FIG. 27A

1. Set return-bool = true
2. Use find function of the Map for inOut_nFormat
3. If returned iterator is end, set inOut_nFormat to the default value (5) and set return-bool to false
4. Get the Map corresponding to the key format
5. Use the find function of the Map for inOut_nProtocol
6. if returned iterator is end{
 set inOut_nProtocol to default (105)
 and set return-bool to false
}
else {
 return-bool = (inOut_nProtocol EQ
 (Value field corresponding to
 inOut_nProtocol))
 logical-AND return-bool.
 set inOut_nProtocol =
 (Value field corresponding to inOut_nProtocol).
}
7. return return-bool

FIG. 27B